

Commonwealth of Kentucky
Natural Resources and Environmental Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382

Title V
AIR QUALITY PERMIT
Issued under 401 KAR 52:020

Permittee Name: University of Kentucky
Mailing Address: Room 215, Peterson Service Building,
Lexington, KY 40506

Source Name: University of Kentucky
Mailing Address: Room 215, Peterson Service Building
Lexington, KY 40506

Source Location: Lexington, Kentucky

Permit Number: V-03-023
Log Number: F809\50606
Review Type: TV Operating
Source ID #: 21-067-00003

Regional Office: Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, KY 40601
(502) 564-3358

County: Fayette

Application
Complete Date: November 18, 1998
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Expiration Date:

John S. Lyons, Director
Division for Air Quality

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first having submitted a complete application and received a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:020, Title V Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - AFFECTED FACILITIES, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**Emission Units 01, 02, 09 & 10****Natural Gas/Oil Fired Indirect Heat Exchangers****Description:**

Primary fuel:	Natural Gas
Backup fuel:	#2 fuel oil
Units 01 & 02	
Maximum Continuous Rating:	125 mmBTU/hr
Construction Commenced:	1971
Units 09 & 10	
Maximum Continuous Rating:	144 mmBTU/hr
Construction Commenced:	1970

APPLICABLE REGULATIONS:

401 KAR 61:015, Existing Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced before April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:015, Section 4, particulate emissions shall not exceed 0.29 lb/mmBTU based on a three-hour-average. Compliance with the allowable particulate emission limitation while burning #2 fuel oil may be demonstrated by calculating emissions using the following formula:

$$\text{PM emissions (lb/mmBTU)} = 2.0 \text{ lbs/ } 10^3 \text{ gallons} * / (**)$$

* = AP-42 Emission Factor

** = #2 Fuel oil heating value in mmBTU/10³ gallons

- b. Pursuant to 401 KAR 61:015, Section 4(3), emissions shall not exceed 40 percent opacity.
- c. Pursuant to 401 KAR 61:015, Section 5(1), sulfur dioxide emission shall not exceed 4.0 lb/mmBTU based on a twenty-four-hour average.
- d. Each unit is considered to be in compliance with the PM, SO₂, and opacity standards while burning natural gas.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack while burning #2 fuel oil by using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

- a. The permittee shall monitor each type of fuel combusted and hours of operation on a weekly basis [401 KAR 61:015, Section 6].
- b. The permittee shall monitor the heating value and sulfur content of each type of fuel oil combusted whenever a new shipment of fuel oil received. The permittee may use certification from the fuel supplier to satisfy this requirement.

5. Specific Recordkeeping Requirements:

- a. The permittee shall maintain the records of the amount of each type of fuel combusted on a monthly basis [401 KAR 61:015 Section 6].
- b. The permittee shall maintain the records of heating value and sulfur content for each type of fuel oil combusted on a monthly basis [401 KAR 61:015 Section 6].

6. Specific Reporting Requirements:

- a. If #2 fuel oil is burned in the unit, the permittee shall submit quarterly reports including the fuel supplier certification and a certified statement signed by the owner or operator of the affected facility that the records of the fuel supplier certifications submitted represent the #2 fuel oil combusted during that quarter.
- b. See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Units 22 through 48****Natural Gas/Oil Fired Indirect Heat Exchangers
Ranging between >1 & 10 < MMBU/hr****Description:**

Primary fuel:	Natural Gas
Backup fuel:	#2 fuel oil
Units 22 - 33	
Maximum Continuous Rating:	1.25 mmBTU/hr
Construction Commenced:	1956
Units 34 & 35	
Maximum Continuous Rating:	1.25 mmBTU/hr
Construction Commenced:	1955
Units 39 & 40	
Maximum Continuous Rating:	1.00 mmBTU/hr
Construction Commenced:	1955
Units 41 - 44	
Maximum Continuous Rating:	1.125 mmBTU/hr
Construction Commenced:	1955
Units 45 - 48	
Maximum Continuous Rating:	1.250 mmBTU/hr
Proposed Construction Date:	1955

APPLICABLE REGULATIONS:

401 KAR 61:015, Existing Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced before April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:015, Section 4, particulate emissions shall not exceed 0.29 lb/mmBTU based on a three-hour-average.
- b. Pursuant to 401 KAR 61:015, Section 4(2), emissions shall not exceed 40 percent opacity.
- c. Pursuant to 401 KAR 61:015, Section 5(1), sulfur dioxide emission shall not exceed 4.0 lb/mmBTU based on a twenty-four-hour average.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- d. Each unit is considered to be in compliance with the PM, SO₂, and opacity standards while burning natural gas.

3. Testing Requirements:

The permittee shall determine the opacity of emissions from the stack while burning #2 fuel oil by using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

4. Specific Monitoring Requirements:

The permittee shall monitor fuel usage on a monthly basis.

5. Specific Recordkeeping Requirements:

- a. Records of the amount and type of fuel burned shall be maintained on a monthly basis.
- b. Records of all routine and nonroutine maintenance.

6. Specific Reporting Requirements:

None

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Units 07 & 08****Coal Fired Indirect Heat Exchangers****Description:**

Units 7 & 8

Primary fuel:

Coal

Maximum Continuous Rating: 75.0 mmBTU/hr each boiler

Control Device:

Cyclone with a 92% efficiency

Construction Commenced:

1958

APPLICABLE REGULATIONS:

401 KAR 61:015, Existing Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced before April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 61:015, Section 4(1), particulate emissions shall not exceed 1.09 lb/mmBTU based on a three-hour average. The permittee may measure compliance with the particulate allowable by calculating the emissions using the following formula:

Compliance Demonstration Method:

Particulate Emission Rate = $[EF] / [\text{coal heating value (MMBTU/ton)}] \times [1 - (CE/100)]$

Where :

EF is the emission factor in lb/ton from AP 42 1.1-4 until replaced with an approved performance test emission factor

CE is Cyclone Control Efficiency

- b. Pursuant to 401 KAR 61:015, Section 4(3), opacity shall not exceed forty percent except that for stoker fired indirect heat exchangers, a maximum of sixty percent opacity shall be permissible for not more than six consecutive minutes in any sixty consecutive minutes during cleaning the fire box or blowing soot.
- c. Pursuant to 401 KAR 61:015, Section 5(1), the sulfur dioxide emissions shall not exceed 6.0 lb/mmBTU based on a twenty-four-hour average. The permittee may measure compliance with the sulfur dioxide allowable by calculating the emissions using the following formula:

Compliance Demonstration Method:

Sulfur Dioxide Emission Rate = $[38S \text{ (lb/ton)}] / [\text{coal heating value (MMBTU/ton)}]$

Where S=% Sulfur

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

- a. The permittee shall submit a schedule within six months from the issuance date of the final permit to conduct at least one performance test for PM within one year following the issuance of the final permit.
- b. When the unit is in operation, the permittee shall read, weather permitting, the opacity of emissions from the stack using EPA Reference Method 9 once per week of each stack.

4. Specific Monitoring Requirements:

- a. Pursuant to 401 KAR 61:015, Section 6 (6), monitoring of operations for sulfur dioxide emissions shall be conducted by representative (batch delivered) sampling and analysis of fuel. Records of the fuel sampling and analysis and sulfur and heat content shall be maintained for inspection upon request by any duly authorized representative of the Division for Air Quality.
- b. In accordance with 401 KAR 61:015, Section 6 (3), the rate of fuel combustion shall be recorded at least monthly. The heating value and ash content of fuels shall be ascertained per delivered shipment.
- c. To meet the periodic monitoring requirement for opacity, the permittee shall comply with reading the opacity weekly according to Testing Requirements, Subsection 3(b) of this permit. Excluding the startup and shut down periods, if any six-minute average opacity value exceeds the opacity standard, the permittee shall, as appropriate, initiate an inspection of the control equipment and boiler system and make any necessary repairs. If a Method 9 cannot be performed, the reason for not performing the test shall be documented.

5. Specific Recordkeeping Requirements:

- a. Records of fuel usage, sulfur content, and heat content of each delivered shipment shall be maintained by the permittee.
- b. Records, including those documenting the results of each compliance test, shall be kept in accordance with 401 KAR 52:020..

6. Specific Reporting Requirements:

- a. The permittee shall report the fuel usage, sulfur content, and heat content.
- b. The permittee shall report the number of excursions (excluding startup, shutdown, and malfunction data) above the opacity standard, date and time of excursions, opacity value of the excursions, and percentage of the opacity data showing excursions above the opacity standard in each calendar quarter.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- c. The permittee shall report the number of excursions above the sulfur dioxide standard, date of excursions, value of the excursions, and percentage of the sulfur dioxide data showing excursions from emission limitation in each calendar quarter.

7. Specific Control Equipment Operating Conditions:

- a. The cyclones shall be operated as necessary to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.
- c. See Section E for further requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**Emission Units 13 (3 & 4)****2 Coal Fired Indirect Heat Exchangers****Description:**

Units 13 (3&4)

Primary fuel: Coal

Maximum Continuous Rating: 93.75 mmBTU/hr each boiler

Control Device: Cyclone

Construction Commenced: 1977

APPLICABLE REGULATIONS:

401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced on or after April 9, 1972.

1. Operating Limitations: None**2. Emission Limitations:**

- a. Pursuant to 401 KAR 59:015, Section 4(1)(c), particulate emissions shall not exceed 0.2621 lb/mmBTU based on a three-hour average. The permittee may measure compliance with the particulate allowable by calculating the emissions using the following formula:

Compliance Demonstration Method:

Particulate Emission Rate = $[EF] / [\text{coal heating value (MMBTU/ton)}] * [1 - (CE/100)]$

Where :

EF is the emission factor in lb/ton from AP 42 1.1-4 until replaced with an approved performance test emission factor

CE is Cyclone Control Efficiency

- b. Pursuant to 401 KAR 59:015, Section 4(2)(b), opacity shall not exceed twenty percent except that a maximum of forty percent opacity shall be permissible for not more than six consecutive minutes in any sixty consecutive minutes during cleaning the fire box or blowing soot.
- c. Pursuant to 401 KAR 59:015, Section 5(1), the sulfur dioxide emissions shall not exceed 0.7476 lb/mmBTU based on a twenty-four-hour average. The permittee may measure compliance with the sulfur dioxide allowable by calculating the emissions using the following formula:

Compliance Demonstration Method:

Sulfur Dioxide Emission Rate = $[38S \text{ (lb/ton)}] / [\text{coal heating value (MMBTU/ton)}]$

Where S=% Sulfur

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

- a. The permittee shall submit a schedule within six months from the issuance date of the final permit to conduct at least one performance test for PM within one year following the issuance of the final permit.
- b. When the unit is in operation, the permittee shall read, weather permitting, the opacity of emissions from the stack using EPA Reference Method 9 once per week of each stack.

4. Specific Monitoring Requirements:

- a. Pursuant to 401 KAR 52:020, Section 10, monitoring of operations for sulfur dioxide emissions shall be conducted by representative (batch delivered) sampling and analysis of fuel. Records of the fuel sampling and analysis and sulfur and heat content shall be maintained for inspection upon request by any duly authorized representative of the Division for Air Quality.
- b. In accordance with Regulation 401 KAR 52:020, Section 10, the rate of fuel combustion shall be recorded at least monthly. The heating value and ash content of fuels shall be ascertained per delivered shipment.
- c. To meet the periodic monitoring requirement for opacity, the permittee shall comply with reading the opacity weekly according to Testing Requirements, Subsection 3(b) of this permit. Excluding the startup and shut down periods, if any six-minute average opacity value exceeds the opacity standard, the permittee shall, as appropriate, initiate an inspection of the control equipment and boiler system and make any necessary repairs. If a Method 9 cannot be performed, the reason for not performing the test shall be documented.

5. Specific Recordkeeping Requirements:

- a. Records of fuel usage, sulfur content, and heat content of each delivered shipment shall be maintained by the permittee.
- b. Records, including those documenting the results of each compliance test, shall be kept in accordance with Regulation 401 KAR 52:020.

6. Specific Reporting Requirements:

- a. The permittee shall report the fuel usage, sulfur content, and heat content.
- b. The permittee shall report the number of excursions (excluding startup, shutdown, and malfunction data) above the opacity standard, date and time of excursions, opacity value of the excursions, and percentage of the opacity data showing excursions above the opacity standard in each calendar quarter.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- c. The permittee shall report the number of excursions above the sulfur dioxide standard, date of excursions, value of the excursions, and percentage of the sulfur dioxide data showing excursions from emission limitation in each calendar quarter.

8. Specific Control Equipment Operating Conditions:

- a. The cyclones shall be operated as necessary to maintain compliance with permitted emission limitations, in accordance with manufacturer's specifications and/or standard operating practices.
- b. Records regarding the maintenance of the control equipment shall be maintained.
- c. See Section E for further requirements.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Units 20 & 21

Natural Gas Fired Indirect Heat Exchangers

Description:

Units 20 & 21

Primary fuel: Natural Gas

Maximum Continuous Rating: 2.5 mmBTU/hr each boiler

Construction Commenced: 1987

APPLICABLE REGULATIONS:

401 KAR 59:015, New Indirect Heat Exchangers applicable to an emission unit with a capacity less than 250 mmBTU per hour and commenced on or after April 9, 1972.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:015, Section 4, particulate emissions shall not exceed 0.2621 lb/mmBTU based on a three-hour-average.
- c. Pursuant to 401 KAR 59:015, Section 4(2)(b), opacity shall not exceed twenty percent except that a maximum of forty percent opacity shall be permissible for not more than six consecutive minutes in any sixty consecutive minutes during cleaning the fire box or blowing soot.
- c. Pursuant to 401 KAR 59:015, Section 5(1), sulfur dioxide emission shall not exceed 0.7476 lb/mmBTU based on a twenty-four-hour average.
- d. Each unit is considered to be in compliance with the PM, SO₂, and opacity standards while burning natural gas.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

None

5. Specific Recordkeeping Requirements:

None

6. Specific Reporting Requirements:

See Section F.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emissions Units 49 & 50 Paint Spray Booths

Description:

Operating rate: 2.0 gal/hr

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations applicable to emissions units commenced on or after July 2, 1975.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Pursuant to 401 KAR 59:010, Section 3(2), particulate emissions shall not exceed 2.34 lb/hr based on a three-hour-average.
- b. Pursuant to 401 KAR 59:010, Section 3(1), visible emissions shall not equal or exceed 20 percent opacity.

Compliance Demonstration Method

Maintenance of the unit in accordance with manufacturer's recommendations and procedures shall sufficient to assure compliance.

3. Testing Requirements: None

4. Specific Monitoring Requirements:

The amount of each coating used shall be monitored on a monthly basis.

5. Specific Recordkeeping Requirements:

- a. Records of each coating used and hours of operation shall be kept on a monthly basis.
- b. Records of all routine and non-routine maintenance.

6. Specific Reporting Requirements:

See Section F.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

	<u>Description</u>	<u>Generally Applicable Regulation</u>
1.	Cyclone Separator	401 KAR 59:010
2.	Petroleum Storage Tanks	NA
3.	Laboratory Fume Hoods	NA
4.	Medical Center Paint Booth	401 KAR 59:010
5.	Printing Services	NA
6.	TSD Consolidation	401 KAR 59:010
7.	Small Indirect Heat Exchangers (less than 1 mmBTU/hr)	NA

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. Particulate matter and sulfur dioxide as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place as defined in this permit, and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Section 1b (V) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall submit written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Other deviations from permit requirements shall *be included in the semiannual report required by Section F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
 - a. Identification of the term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

Division for Air Quality
Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, KY 40601

U.S. EPA Region IV
Air Enforcement Branch
Atlanta Federal Center
61 Forsyth St.
Atlanta, GA 30303-8960

Division for Air Quality
Central Files
803 Schenkel Lane
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.

SECTION G - GENERAL PROVISIONS**(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including but not limited to termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - a. If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
 - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

SECTION G - GENERAL PROVISIONS (CONTINUED)

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
- (a) Applicable requirements that are included and specifically identified in the permit and
 - (b) Non-applicable requirements expressly identified in this permit.

(b) Permit Expiration and Reapplication Requirements

- 1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
- 2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:02+0 Section 8(2)].

(c) Permit Revisions

- 1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
- 2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

(d) Construction, Start-Up, and Initial Compliance Demonstration Requirements

NA

(e) Acid Rain Program Requirements

NA

SECTION G - GENERAL PROVISIONS (CONTINUED)

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
 - a. An emergency occurred and the permittee can identify the cause of the emergency;
 - b. The permitted facility was at the time being properly operated;
 - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
 - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
 - e. This requirement does not relieve the source of other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 3346
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166
 - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

None